

ABSTRACT OF THE DISCLOSURE

A device for monitoring the integrity of a flexible pipe used for transporting a pressurized fluid in a terminal end-fitting. The pipe includes an internal pressure sheath, plies of tensile armor wires and an outer sheath fastened to the end-fitting. A device monitors the change in a phenomenon associated with a failure of the armor plies as a result of a fracture of several tensile armor wires inside the end-fitting. The device detects an increase in the twist in the pipe near the end-fitting, which twist is a phenomenon of a fracture of tensile armor wires inside the end-fitting.